Write a python program to Prepare Scatter Plot (Use Forge Dataset / Iris Dataset)

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

import pandas as pd

col=['sepal\_length','sepal\_width','petal\_length','petal\_width','type']

iris=pd.read\_csv (r'C:\Users\swati.joshi\Downloads\iris.csv')

print("First five rows")

print(iris.head())

print("\*\*\*\*\*\*\*\*\*")

print("columns",iris.columns)

print("\*\*\*\*\*\*\*\*\*")

print("shape:",iris.shape)

print("\*\*\*\*\*\*\*\*\*")

print("Size:",iris.size)

iris.plot(kind ="scatter",

x ='Sepal.Length',

y ='Petal.Length')

plt.grid()

output

First five rows

Unnamed: 0 Sepal.Length Sepal.Width Petal.Length Petal.Width Species

0 1 5.1 3.5 1.4 0.2 setosa

1 2 4.9 3.0 1.4 0.2 setosa

2 3 4.7 3.2 1.3 0.2 setosa

3 4 4.6 3.1 1.5 0.2 setosa

4 5 5.0 3.6 1.4 0.2 setosa

\*\*\*\*\*\*\*\*\*

columns Index(['Unnamed: 0', 'Sepal.Length', 'Sepal.Width', 'Petal.Length',

'Petal.Width', 'Species'],

dtype='object')

\*\*\*\*\*\*\*\*\*

shape: (150, 6)

\*\*\*\*\*\*\*\*\*

Size: 900

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